AIR QUALITY BUREAU
ATTN: Application Log in
7900 Hickman Rd., Suite 1
Urbandale, IA 50322

IOWA DNR Air Construction Permit Application

Form CE4 Control Equipment Information for Thermal Oxidation

Please see instructions on the reverse side

Company Name	
1) CE Number ID:	
2) Emission Point(s) ID:	
3) Manufacturer:	4) Model Number:
5) Operating Temperature (°F) :	
6) Residence Time (seconds) :	
7) Date of Construction:	
8) Date of Modification:	
9) Capture Hood involved: ☐Yes ☐No	
10) Capture Hood Efficiency (percentage):	
11) Date of Hood Installation:	12) Date of Hood Modification (if any):

13) **Pollutant Controlled**

	PM	**PM_{10}**	**VOC**	**CO**	**Other( )**
Control Efficiency					

14) If manufacturer's data is not available attach a separate sheet of paper (labeled CE4-14A) to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

Instructions for Form CE5

This form is used by the DNR to identify the control equipment and the emission point (stack or vent) used for the emission unit(s) proposed in this permit application. This form also asks for supporting documents to verify stated control efficiencies of the control equipment. Additional information may be requested.

Please put your company name in the box provided. This is useful if application pages are separated.

STACK/VENT (EMISSION POINT) SPECIFICATIONS:

IF YOU HAVE MULTIPLE PIECES OF CONTROL EQUIPMENT THAT VENT FROM ONE EMISSION POINT, ATTACH A FORM CE FOR EACH PIECE OF CONTROL EQUIPMENT.

1. Provide the name of the control equipment used (for example: Regenerative, Recuperative, Flare, etc.). Identify the control equipment by a number. This number should be the only number to represent this control equipment on other forms which are included in this application and in other permit applications.
2. Provide the ID number of the emission point. An emission point is the same as a stack or vent. The number should be consistent with numbers provided on previous and future permit applications including operating permits.
3. Provide the manufacturer of the control equipment (if known). If custom, provide engineering specifications.
4. Provide the model number of the control equipment (if known). If custom, provide engineering specifications.
5. Provide the operating temperature of the oxidizer.
6. Provide the residence time of the oxidizer. This is calculated by dividing the internal volume of the oxidizer by the air flow through the oxidizer.
7. The date of construction of the control equipment is the date, month, and year in which construction or modification begins as defined in EU Form Instruction item 7.
8. If the control equipment has been or will be modified, give the date, month and year of the most recent or future modification.
9. Indicate whether there is a capture hood associated with the emission unit by answering "yes" or "no."
10. If there is a capture hood, write down its capture efficiency, if known. If unknown, leave blank.
11. Provide the date the capture hood was installed or will be installed at the emission unit(s).
12. If the capture hood has been or will be modified, write the month and year of the modification.
13. If you have supporting documentation for the control efficiency(s) of the control equipment, mark the type of documentation, either manufacturer's data or a stack testing report. Manufacturer's data can include a manufacturer's guaranteed emission rate or guaranteed control efficiency. Attach the supporting documentation and label this attachment CE4-14A. Then, list the pollutant and provide the estimated or proven control efficiency for the control device on this form. If the control equipment will be controlling more than one pollutant at this emission unit, list all pollutants and the corresponding control efficiencies.
14. If you do not have the documentation requested in box (13), provide other documentation for the control efficiency such as calculations or design data or other reference document. Attach a separate sheet labeled CE4-14A.